

Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/582,407
				Filing Date	June 9, 2006
				First Named Inventor	George GRUNER
				Art Unit	1754
				Examiner Name	To Be Assigned
Sheet	1	of	2	Attorney Docket Number	58086-232072

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/DM/	1	AGO, H., et al., "Composites of Carbon Nanotubes and Conjugated Polymers for Photovoltaic Devices", <i>Advanced Materials</i> , 11, No. 15, p. 1281-1285 (1999)	
/DM/	2	ARMITAGE, N.P., "Quasi-Langmuir-Blodgett Thin Film Deposition of Carbon Nanotubes," <i>Journal of Applied Physics Letters</i> , Vol. 95, No. 6, March 15, 2004, p. 3228-3330.	
/DM/	3	BACHTOLD, Adrian, et al., "Logic Circuits with Carbon Nanotube Transistors", <i>Science</i> , Vol. 294, November 9, 2001, p. 1317-1320.	
/DM/	4	BRADLEY, K. et al., "Flexible Nanotube Electronics," <i>Nano Letters</i> , Vol. 3, No. 10, p. 1353-1355, (2003).	
/DM/	5	CHEN et al., "Noncovalent Engineering of Carbon Nanotube Surfaces by Rigid, Functional Conjugated Polymers", <i>J. Am. Chem. Soc.</i> , 124, p. 9034-9035 (2002).	
/DM/	6	CHEN, R.J., et al., "Noncovalent Functionalization of Carbon Nanotubes for Highly Specific Electronic Biosensors," <i>PNAS</i> , Vol. 100, No. 9, p. 4984-2989 (2003).	
/DM/	7	CUI, J.B., et al., "Carbon Nanotube Memory Devices of High Charge Storage Stability", <i>Applied Physics Letters</i> , Vol. 81, No. 17, October 21, 2002, p. 3260-3262.	
/DM/	8	DERYCKE, V., et al., "Carbon Nanotube Inter-and Intramolecular Logic Gates," <i>Nano Letters</i> , Vol. 1, No. 9, September 2001, p. 453-456.	
/DM/	9	DUAN, X., et al., "General Synthesis of Compound Semiconductor Nanowires", <i>Advanced Materials</i> , 12, No. 4, p. 298-302, (2000).	
/DM/	10	FUHRER, M.S. et al., "High-Mobility Nanotube Transistor Memory", <i>Nano Letters</i> , Vol. 2, No. 7, p. 755-759 (2002).	
/DM/	11	GABRIEL, J.C., "Large Scale Production of Carbon Nanotube Transistors: A Generic Platform for Chemical Sensors", <i>Mat. Res. Symp. Soc. Proc.</i> , Vol. 776, p. Q12.7.1 – Q12.7.7, (2003).	
/DM/	12	STAR A., et al., "Polymer Coatings of Carbon Nanotube Sensors," <i>Polymer Prep</i> , 44(2): 201 (2003).	
/DM/	13	HUYNH, W. U., et al., "Hybrid Nanorod-Polymer Solar Cells", <i>Science</i> , Vol. 295, March 29, 2002, p. 2425-2427.	
/DM/	14	JAVEY, Ali, et al., "Electrical Properties and Devices of Large-Diameter Single-Walled Carbon Nanotubes," <i>Applied Physics Letters</i> , Vol. 80, No. 6, February 11, 2002, p. 1064-1066.	
/DM/	15	MARTEL, R., et al., "Single-and Multi-wall Carbon Nanotube Field-effect Transistors," <i>Applied Physics Letters</i> , Vol. 73, No. 17, October 26, 1998, p. 2447-2449.	
/DM/	16	MCEUEN, Paul L., et al., "Disorder, Pseudospins, and Backscattering in Carbon Nanotubes," <i>Physics Review Letters</i> , Vol. 83, No. 24, December 13, 1999, p. 5098-5101.	
/DM/	17	GABRIEL A., et al., "Electronic Detection of Specific Protein Binding Using Nanotube FET Devices," <i>Nano Letters</i> , Vol. 3, No. 4, p. 459-463 (2003).	
/DM/	18	SNOW, E.S., et al. "Random Networks of Carbon Nanotubes as an Electronic Material," <i>Applied Physics Letters</i> , Vol. 82, No. 13, March 31, 2003, p. 2145-2147.	
/DM/	19	RAMAMURTHY, P.C., et al. "Polyaniline/Single Walled Carbon Nanotube Composite Electronic Devices," <i>SOLID-STATE ELECTRONICS</i> , Vol. 48, (11 th Foresight Conference, October 10-12, 2003) p. 2019-2024 (2004).	
/DM/	20	RADOSAVLJEVIC, M., et al., "Nonvolatile Molecular Memory Elements Based on	

Examiner Signature	/Daniel Miller/	Date Considered	01/18/2008
--------------------	-----------------	-----------------	------------

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

[illegible]

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

#790275v2

AP20 Rec'd PCT/PTO 09 JUN 2006

PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/582407
				Filing Date	Concurrently
				First Named Inventor	George GRUNER
				Art Unit	To Be Assigned
				Examiner Name	To Be Assigned
Sheet	1	of	1	Attorney Docket Number	58086.232072

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA				
	AB				
	AC				

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
/DM/	BA	WO 02/088025 A	11/07/2002	NEW YORK UNIVERSITY		
	BB					
	BC					

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T ²
/DM/	CA	KYMAKIS E. et al., "Single-Wall Carbon Nanotube/Conjugated Polymer Photovoltaic Devices", APPLIED PHYSICS LETTERS, Vol. 80, No. 1, January 7, 2002, pp. 112-114.				
/DM/	CB	VARADAN V. K., "Three Dimensional Polymer Mems with Functionalized Carbon Nanotubes and Modified Organic Electronics", NANOTECHNOLOGY, 2003, Vol. 1, August 12, 2003, pp. 212-215.				
/DM/	CC	CURRAN S. A. et al., "A Composite From Poly(M-Phenylenevinylene-Co-2, 5-Dioctoxy-P - Phenylenevinylene) and Caron Nanotubes: A Novel Material for Molecular Optoelectronics", Advanced Materials, Vol. 10, No. 14, October 1, 1998, pp. 1091-1093.				
/DM/	CD	RAMAMURTHY P. C. et al., "Polyaniline / Single-Walled Carbon Nanotube Composite Electronic Device", SEMICONDUCTOR DEVICE RESEARCH SYMPOSIUM, December 10, 2003, pp. 208-209.				
/DM/	CE	ZHOU C. et al., "Modulated Chemical Doping of Individual Carbon Nanotubes", SCIENCE, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, Vol. 290, No. 5496, November 24, 2000, pp. 1552-1555.				
/DM/	CF	ROMERO D. B. et al., "A Carbon Nanotube/Organic Semiconductor Polymer Heterojunction", ADVANCED MATERIALS, Vol. 8, No. 11, November 1996, pp. 899-902.				
/DM/	CG	CZERW R. et al., "Tailoring Hole Transport and Color Tunability in Organic Light Emitting Devices Using Single Wall Carbon Nanotubes", PROCEEDINGS OF THE SPIE, Vol. 4590, November 2001, pp. 153-161.				

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	/Daniel Miller/	Date Considered	01/18/2008
--------------------	-----------------	-----------------	------------

DC200CS17/58510

DC